

#04
p.1

Status	Item	Nurr	Catalog	Mfg	Abbv	MSDS	Description	Description 2
	163429		6812A	SNCAST	04		CAST TAPE, WHT 2"X4YDS (10RL/B	X 1BX/CS)
	213517		3873	SNCAST	04		TAPE, DELTALITE "S" 3"X4YDS BL	K (10RL/BX
	213630		3863	SNCAST	04		TAPE, DELTALITE "S" 3"X4YDS PU	RP (10/BX)
DGM	213631		3874	SNCAST	04		TAPE, DELTALITE "S" 4"X4YDS BL	K (10/BX)
	213718		6732	SNCAST	04		TAPE, DELTALITE "S" 2"X4YDS LT	BLU(10/BX
	213719		6733	SNCAST	04		TAPE, DELTALITE "S" 3"X4YDS LT	BLU(10/BX
DGM	213720		6734	SNCAST	04		TAPE, DELTALITE "S" 4"X4YDS LT	BLU(10/BX
	213729		3812	SNCAST	04		TAPE, DELTALITE "S" 2"X4YDS DA	RK BLU(10B
	213730		3813	SNCAST	04		TAPE, DELTALITE "S" 3"X4YDS DA	RK BLU(10B
	213731		3814	SNCAST	04		TAPE, DELTALITE "S" 4"X4YDS DA	RK BLU(10B
	213737		3862	SNCAST	04		TAPE, DELTALITE "S" 2"X4YDS PU	RP (10/BX)
	213738		3864	SNCAST	04		TAPE, DELTALITE "S" 4"X4YDS PU	RP (10/BX)
	213739		3872	SNCAST	04		TAPE, DELTALITE "S" 2"X4YDS BL	K (10/BX)
	233374		6063	SNCAST	04		CAST TAPE, DELTALITE 3"X4YDS B	LK (10/BX)
	238212		6062	SNCAST	04		CAST TAPE, DELTALITE BLK 2" (1	0/BX)
	279696		6064	SNCAST	04		CAST TAPE, DELTALITE 4"X4YDS B	LK 10BX)
	464983		3874	SNCAST	04		TAPE, DELTALITE "S" 4"X4YDS BL	K (10/BX)

MATERIAL SAFETY DATA SHEET

JOHNSON & JOHNSON ORTHOPAEDICS, INC.
325 PARAMOUNT DRIVE
RAYNHAM, MA 02767
1-800-526-2459 #2

1. IDENTIFICATION:

DELTA-LITE "S" Fiberglass Casting Tape / Green label

Product Code: 6812-6815, 6732-6734, 6742-6744, 6752-6754, 3802-3804, 3812-3814,
3822-3824, 3852-3854, 3862-3864, 3872-3874, 3882-3884, 5992-5994,
6002-6004.

2. INGREDIENTS:

	C.A.S.	%	EXPOSURE LIMITS	REF.
polypropylene polyol diphenyl methane diisocyanate prepolymer	9048-57-1	34.1	NA	5
methylene bisphenyl isocyanate (MDI)	101-68-8	7.3	0.051 mg/m ³	2
silicone	---	trace	NA	5
aluminum foil pouch	---	5.6	NA	5
fiberglass knit fabric	---	50.3	10 mg/m ³	2
polyethylene core	---	2.7	NA	5

- References for Exposure Limit Data
1. Federal OSHA Permissible Exposure Limit
 2. ACGIH Threshold Limit Values
 3. NIOSH Exposure Limit Values
 4. Chemical Manufacturers Recommended Guidelines
 5. None Established (NA-Not Applicable/ND-Not Determined)

3. PHYSICAL DATA:

APPEARANCE AND ODOR: DELTA-LITE 'S' Fiberglass Casting Tape is composed of a knitted fiberglass substrate impregnated with a polyurethane resin, polypropylene polyol diphenyl methane diisocyanate prepolymer. The prepolymer contains free methylene bisphenyl isocyanate.

BOILING POINT: 392°F @ 5 MM HG **FREEZING POINT:** NA

SPECIFIC GRAVITY: 1.23 @ 110°F (prepolymer)

PH: 4-6 **ODOR THRESHOLD:** NA

4. **FIRE AND EXPLOSION DATA:**

FLASH POINT: ASTM D-93 (CLOSED CUP) > 350°F FLAMMABILITY CLASS: NA
AUTO IGNITION: Not Available
LOWER EXPLOSIVE LIMIT (%): Not Available
UPPER EXPLOSIVE LIMIT (%): Not Available
SPECIAL FIRE FIGHTING PROCEDURES: Waterfog, CO₂, Dry Chemical,
Alcohol or Polymer Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS: Fires can release nitrogen oxides and isocyanate vapors. Fire fighters should wear SCBA's and protective clothing.

5. **HEALTH EFFECTS AND FIRST AID PROCEDURES:**

EYES: May cause eye irritation during-initial use based on the prepolymer. Eye irritation may also occur during cast removal.

FIRST AID: If eye irritation occurs, flush eyes with water for fifteen minutes, seek medical attention.

SKIN: May cause skin irritation upon contact. Isocyanate materials may also cause an allergic skin reaction.

FIRST AID: Flush skin with plenty of water. If allergic skin reaction is suspected, remove individual from exposure and seek medical attention.

INHALATION: At room temperature (< 80°F) vapors are minimal due to the low vapor pressure of the prepolymer, and no inhalation hazard is present. After opening of the pouch, immediate immersion in water will avoid release of isocyanate vapors.

If the material is heated before curing isocyanate vapors maybe released. Excessive exposure to these vapors may cause irritation of the respiratory tract and lungs, and pulmonary edema. Effects of these vapors may be delayed. Susceptible individuals may develop respiratory sensitization.

The fiberglass substrate is a low dust/fiber releasing material. Free fiberglass dust particles are not expected to be released as the substrate is bound by the prepolymer.

FIRST AID: Remove to fresh air if effects occur. Seek medical attention treatment of inhalation symptoms involves supportive care and is based on the judgment of the physician in response to reactions of the patient.

INGESTION: May cause irritation and possible corrosive action on the mouth and stomach tissue. Vomiting may occur. Ingestion of the cast material may cause physical blockage of the G.I. tract.

FIRST AID: Seek immediate medical attention.

6. **REACTIVITY DATA:**

GENERAL REACTIVITY: Reactive

INCOMPATIBILITY: Water, strong bases, alcohol, metal compounds, surface active agents.

POLYMERIZATION: May Occur

CONDITIONS TO AVOID: Polymerization may occur if material is heated for long periods.

7. **SPILL PROCEDURES DISPOSAL REQUIREMENTS**

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Exposed prepolymer will react with ambient moisture and polymerize (harden). A dilute ammonia solution (10%) will neutralize unreacted prepolymer.

WASTE AND CONTAINER DISPOSAL METHODS: Dispose of in accordance with local, state, and federal regulations. Hardened cast material is not classified as a hazardous waste and may be disposed of in an ordinary landfill.

8. **SPECIAL PROTECTION INFORMATION:**

RESPIRATORY PROTECTION: None required during cast application. During cast removal NIOSH approved dust respirator if concentration exceeds the Threshold Limit Value for nuisance dust.

VENTILATION: Normal mechanical (dilution) ventilation during cast application. Recommend local exhaust ventilation during cast removal to minimize dust exposure to employees.

EYE PROTECTION: Safety glasses with sideshields are recommended to prevent dust/particle contact.

GLOVES: Rubber or Vinyl, use gloves with product.

9. **SPECIAL PRECAUTIONS:**

PRECAUTION TO TAKE IN STORAGE AND HANDLING: Storage temperatures should not exceed 75°F (24°C) to prevent premature hardening of the product.